



Date: July 18, 2001

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FORM PTO-1449 (2-91b)	ATTY DOCKET NO. U-013220-5	SERIAL NUMBER 09/744,085
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANTS' INFORMATION STATEMENT	APPLICANT Arthur SCHAFFER, et al.	
	FILING DATE January 19, 2001	GROUP ART UNIT (N/A) 1638

U.S. PATENT DOCUMENTS

Examiner's Initials		DOCUMENT NO.	DATE	NAME	CLASS	SUB	FILING DATE
DF	AA	5,817,913	10/1998	Schaffer	800	200	
J	AB	5,498,830	3/1996	Barry, et al.	800	205	
J	AC	5,608,149	3/1997	Barry, et al.	800	205	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB	TRANSLATION
DF	AD	WO 94/22289	Oct. 1994	PCT	—	—	Y
DF	AE	WO 92/14831	Sep. 1992	PCT	—	—	Y

OTHER ART (Including Author, Bills, Pertinent Pages, Etc.)

DF	AF	Azanza F et al., "Genes from Lycopersicon Chemielewskii Affecting Tomato Quality During Fruit Ripening", Theoretical and Applied Genetics 1995, Vol. 91, no. 3, August 1995, pp. 495-504.
	AG	Dinar M et al., "The Relationship Between Starch Accumulation and Soluble Solids Content of Tomato Lycopersicon-Esculentum Fruits", Journal of the American Society for Horticultural Science, 1981, Vol. 106, no. 4, pp. 415-418.
	AH	Stark David M et al., "Improvement of Food Quality Traits Through Enhancement of Starch Biosynthesis", Conference, Lexington, Kentucky, USA, Oct. 1-4, 1995. Vol. 792, pp. 26-36.
	AI	Schaffer Arthur A et al., "Sucrose to Starch Metabolism in Tomato Fruit Undergoing Transient Starch Accumulation", Plant Physiology, 1997, Vol. 113, no. 3 pp. 739-746.
	AJ	Schaffer Arthur A et al., "Modification of Carbohydrate Content in Developing Tomato Fruit", 94 th Annual Int. Conf. of the American Society for Horticultural Science, Salt Lake City, Utah, USA, July 23-26, 1997, Vol. 32 no. 7, p. 551.
EXAMINER: David M		DATE CONSIDERED: 9/29/02
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

FORM PTO-1449 (Colb)	ATTY DOCKET NO. U-013220-5	SERIAL NUMBER 09/744,085
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANTS' INFORMATION STATEMENT	APPLICANT Arthur SCHAFFER, et al.	
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Examiner's Initials		DOCUMENT NO.	DATE	NAME	CLASS	SUB	FILING DATE
DA	AA	5,608,150	3/1997	Conner	800	205	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB	TRAN- SLATION
DA	AB	WO 91/19806	Dec. 1991	PCT	—	—	Y
J	AC	WO 96/24679	Aug. 1996	PCT	✓	—	Y

OTHER ART (Including Author, Bills, Pertinent Pages, Etc.)

DA	AD	Miron D et al., "Sucrose Phosphate Synthase Sucrose Synthase and Invertase Activities in Developing Fruit of Lycopersicon-Esculentum Mill. And the Sucrose Accumulating Lycopersicon-Hirsutum Humb. And Bonpl", Plant Physiology (Bethesda) 1991, Vol. 95, no.2, pages 623-627
J	AE	Park S W et al., "Molecular Cloning and Organ-Specific Expression of Three Isoforms of Tomato ADP-Glucose Pyrophosphorylase Gene", Gene: An International Journal of Genes and Genomes, GB, Elsevier Science Publishers, Barking, Vol. 206, no.2 January 1998, 215-221
	AF	Hadas R et al., "PCR-generated molecular markers for the invertase gene and sucrose accumulation in tomato", Theoretical and Applied Genetics, Vol. 90 no. 7-8, 1995, pages 1142-1148
	AG	Schaffer Arthur A et al., "ADPglucose pyrophosphorylase activity and starch accumulation in immature tomato fruit: the effect of a lycopersicon hirsutum-derived introgression encoding for the large subunit", Plant Science (Shannon), March 2000, Vol. 152, no. 2, pages 135-144
	AH	Schaffer Arthur a et al., "Modification of carbohydrate content in developing tomato fruit", Hortscience Oct. 1999, Vol. 34, no. 6, pages 1024-1027
	AI	Y. Eshed et al., "Introgressions from Lycopersicon pennellii can improve the soluble-solids yield of tomato hybrids", Theor. Appl. Genet., 88:891-897, 1994.
	AJ	Y. Eshed, et al., "Lycopersicon esculentum lines containing small overlapping introgressions from L. pennellii, Theor. Appl. Genet., 83:1027-1034, 1992.
EXAMINER: [Signature]		DATE CONSIDERED: 9/29/01
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FORM PTO-1449 (Rev. 10-1-95)	ATTY DOCKET NO. U-013220-5	SERIAL NUMBER 09/744,085
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANTS' INFORMATION STATEMENT	APPLICANT Arthur SCHAFFER, et al.	
	FILING DATE January 19, 2001	GROUP ART UNIT NA 1638

U.S. PATENT DOCUMENTS

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	AA					

FOREIGN PATENT DOCUMENTS

DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB	TRAN- SLATION
AB					

OTHER ART (Including Author, Bills, Pertinent Pages, Etc.)

MF	AC	Michael J. Giroux, et al., "A single gene mutation that increases maize seed weight", Proc. Natl. Acad. Sci. USA, Vol. 93, pp. 5824-5829, June 1996.
	AD	Preiss J et al., "Starch synthesis in sinks and sources" Marcel Dekker Publ. NYC, pp. 63-96, 1996, <i>Photoassim. Distr. Plants Crops, Zamski et al, eds</i>
	AE	Y. Kanayama, et al., "Divergent fructokinase genes are differentially expressed in tomato", Plant Physiol. 1997, 113:1379-1384.
	AF	S. Yelle, et al., "Sink Metabolism in tomato fruit", Plant Physiol. 1991, Vol. 95, 1026-1035.
	AG	Fei Wang, et al., "Isolation and sequencing of tomato fruit sucrose synthase cDNA", Plant Physiol. 1993, 103:1463-1464.
	AH	H. Fu, et al., "Sink- and vascular-associated sucrose synthase functions are encoded by different gene classes in potato", The plant cell, vol. 7, 1369-1385, Sept. 1995.
	AI	J. D. Hewitt et al., "sink strength of fruits of two tomato genotypes differing in total fruit solids content", J. Amer. Soc. Hort. Soc. 107(5), 1982, pp. 896-900.
	AJ	A.J. Walker, et al., "Carbon translocation in the tomato: carbon import and fruit growth", Ann. Bot. 41, 813-823, 1977.
EXAMINER: <i>David M</i>		DATE CONSIDERED: <i>9/29/02</i>
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FORM PTO-148 (Colb)	ATTY DOCKET NO. U-013220-5	SERIAL NUMBER 09/744,085
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANTS' INFORMATION STATEMENT	APPLICANT Arthur SCHAFFER, et al.	
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	AA						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB	TRANS- LATION
	AB						

OTHER ART (Including Author, Bills, Pertinent Pages, Etc.)

AC	C.M. Rick, "High soluble-solids content in large-fruited tomato lines derived from a wild green-fruited species", Hilgardia, 42:493-510, 1974.
AD	Y. Kanayama, et al., "Tomato fructokinases exhibit differential expression and substrate regulation", Plant Physiol. 1998, 85-90, Vol. 117
AE	Schaffer Arthur A et al., "Inhibition of fructokinase and sucrose synthase by cytosolic levels of fructose in young tomato fruit undergoing transient starch synthesis", Phys. Plant. 101:800-806, 1997.
AF	Superscript Preamplification System, GibcoBRL Life Technologies, Gaithersburg, MD, USA, 1995.
AG	S. Yelle, et al., "Sink metabolism in tomato fruit", Plant. Physiol. 1988, 87, 737-740.
AH	Taq DNA Polymerase, Supernova DNA Polymers, Madi Ltd. Rishon Le-Zion, Israel, 1999.
AI	Automater Thermocycler, MJ Research Ind. Watertown, Massachusetts, USA, 1998.
AJ	Chen B.Y. et al., "The electronic plant gene register", Plant Physiology, 109:1498, 1995.
AK	pGEM-T and pGEM-T Easy Vector Systems, Promega Corp., Madison, WI, USA, 1997.
AL	Trizol Reagent System, GibcoBRL Life Technologies, Gaithersburg, MD, USA, 1999.

EXAMINER: *DeWitt*

DATE CONSIDERED: 9/25/02

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